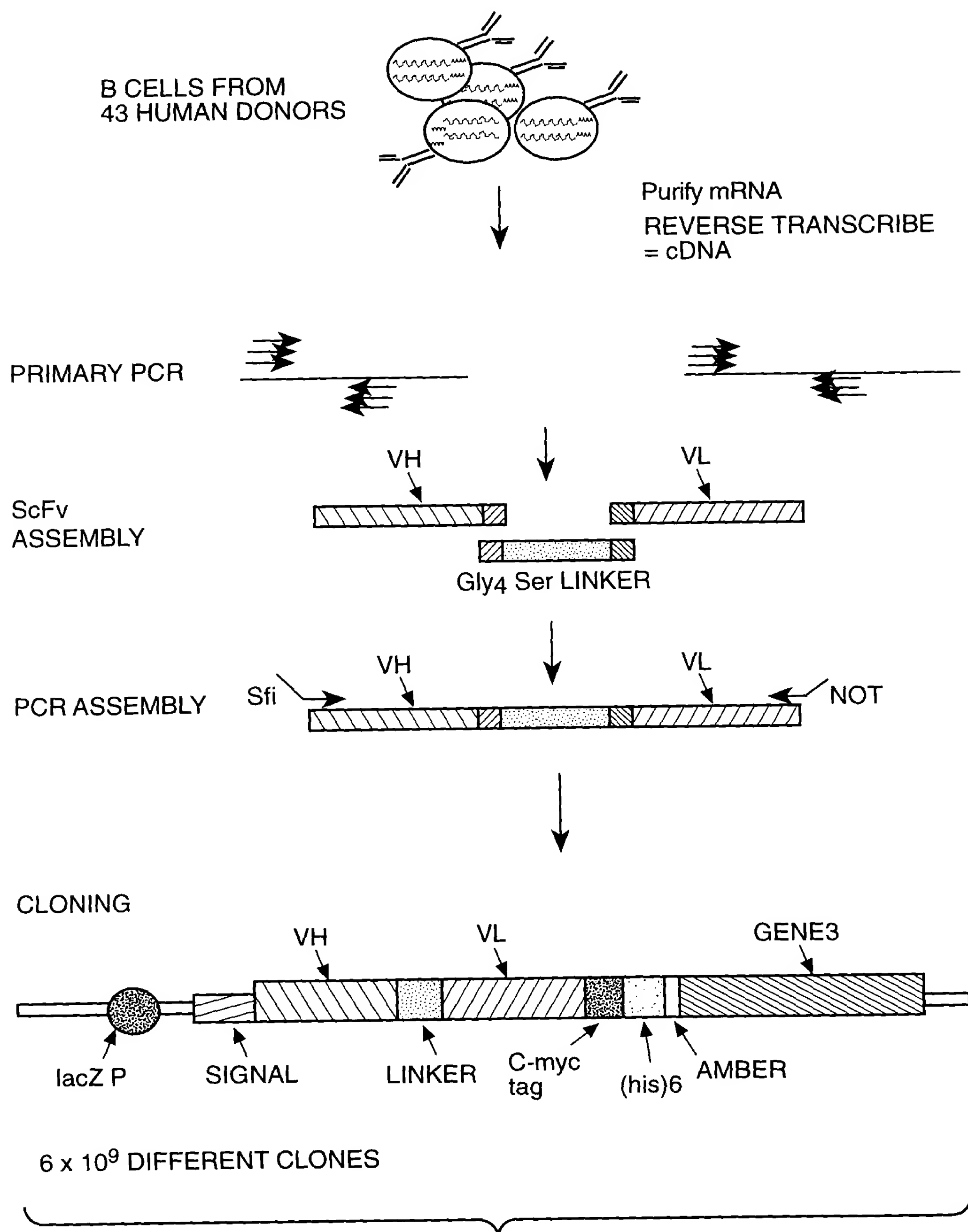


VH		F1	CDR1	F2
10F6	1	MAQVQLQESGGEMKKPGESLKISCKGYGYSFATSWIGWVRQMPGRGLEWM		
5E5	1	MAEVQLVQSGGGLVKPGGSLRLSCAASGFTFSDYYMSWIRQAPGKGLEWV		
10D10	1	MAEVQLVQSGGGVVPGGSLSLSCAVSGITLRTYGMHWVRQAPGKGLEWV		
12B5	1	MAQVQLVQSGGGLVRPGGSLSLSCAVSGITLRTYGMHWVRQAPGKGLEWV		
12D5	1	MAQVQLVESGGGLVKPGGSLRLSCAASGFTFSSHNMNHWVRQAPGKGLEWV		
12E10	1	MAQVQLQQSGPGLVKPSETLSLTCTVSGDSISSYYWSWIRQPPGKGLEWI		
		CDR2	F3	
10F6	51	AIMYPGNSDTRHNPSFEDQVTMSADTSINTAYLQWSSLKASDTAMYVCAR		
5E5	51	SYISSSGSTIYYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCAR		
10D10	51	AGISFDGRSEYYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCAR		
12B5	51	AGISFDGRSEYYADSVQGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCAR		
12D5	51	SSISSSSSYIYYADSVKGRFTISRDN AKNSLYLQMNSLRAEDTAVYYCAR		
12E10	51	GYIYYSGS-TNYPNPSLKSRVTISVDTSK SQFSLKLSSVTAADTAVYYCAR		
		CDR3	F4	VL F1
10F6	101	AGVAGGAFDLWGKGTMTVSSGGGGSGGGGSGGGGSQSVLTQ-PASVSGS		
5E5	101	-WSGEDAFDIWGQGTMTVSSGGGGSGGGGSGGGGSDIVMTQSPSTLSAS		
10D10	101	-DRGSYGMDVWGRGTMTVSSGGGGSGGGGSGGGGSDIQMTQSPSTLSAS		
12B5	101	-G-AHYGFDIWGQGTMTVSSGGGGTGGGGSGGGGSDIQMTQSPSTLSAS		
12D5	101	-DRGSTGMDVWGRGTLTVSSGGGGSGGGGSGGGGSDIQMTQSPSTLSAS		
12E10	100	----GRYFDVWGRGTMTVSSGGGGSGGGGSGGGGSSYVLTQ-PPSVSGS		
		CDR1	F2	CDR2
10F6	150	PGQSITISCTGTSSGVGGYNYVSWYQQHPGKAPKLLIYGNSNRPSGVPDR		
5E5	150	VGDRVAITCRASE---GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR		
10D10	150	IGDRVITITCRASE---GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR		
12B5	149	IGDRVITITCRASE---GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR		
12D5	150	IGDRVITITCRASE---GIYHWLAWYQQKPGKAPKLLIYKASSLASGAPSR		
12E10	145	PGQSITISCTGTSSDVGGYNYVSWYQQHPGKAPKLMIYEGSKRPSGVSNR		
		F3	CDR3	F4
10F6	200	FSASKSGNTASLTISGLQAEDEADYFCSTYAPPGIIMFGGGTKLTVLGAA		
5E5	197	FSGSGSGADFTLTISLQPDDFATYYCQQYSNYPL-TFGGGTKLEV KRAA		
10D10	197	FSGSGSGTDFTLTISLQPDDFATYYCQQYSNYPL-TFGGGTKLEILRAA		
12B5	196	FSGSGSGTDFTLTISLQPDDFATYYCQQYSNYPL-TFGGGTELEIKRAA		
12D5	197	FSGSGSGTDFTXTISLQPDDFATYYCQQYSNYPL-TFGGGTKLEIKRAA		
12E10	195	FSGSKSGNTASLTISGLQAEDEADYYCSSYTTRSTRVFGGGTKLTVLGAA		

FIG. 1

**FIG. 2**

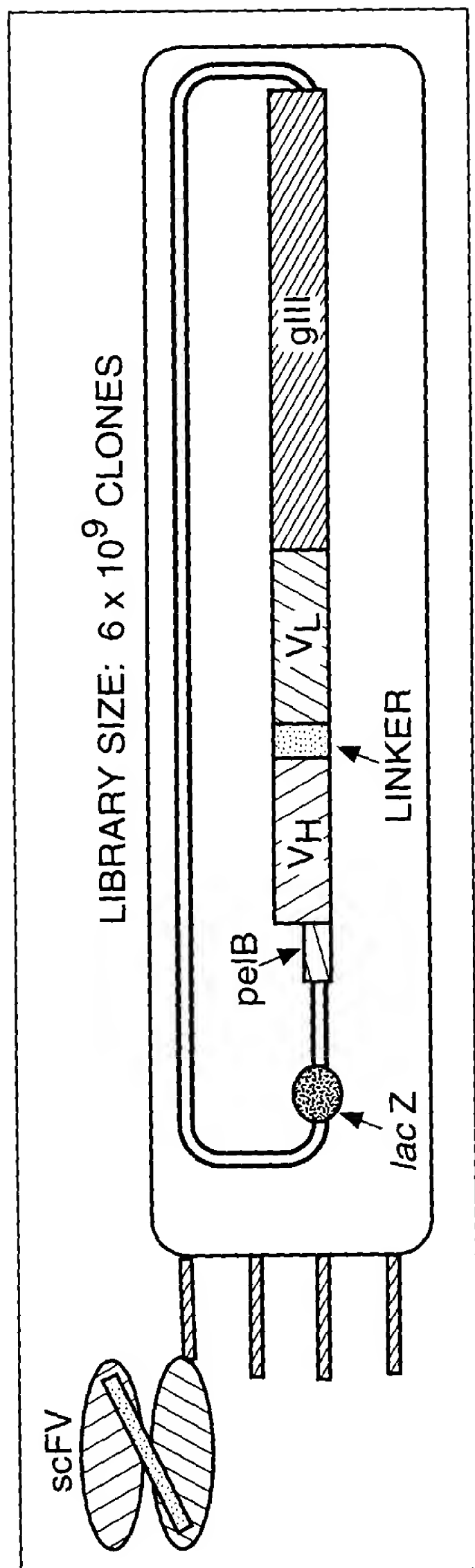


FIG.-3

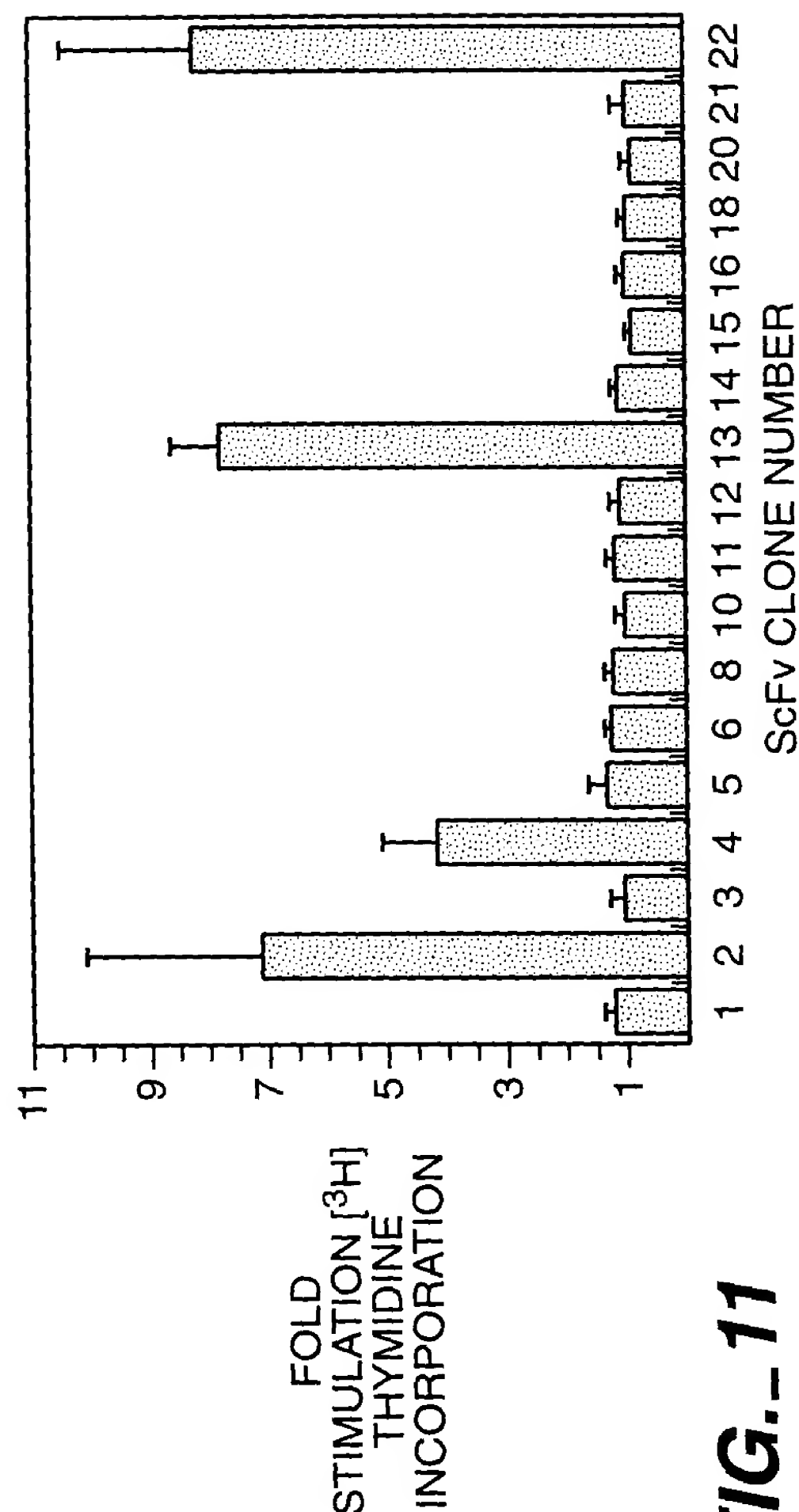
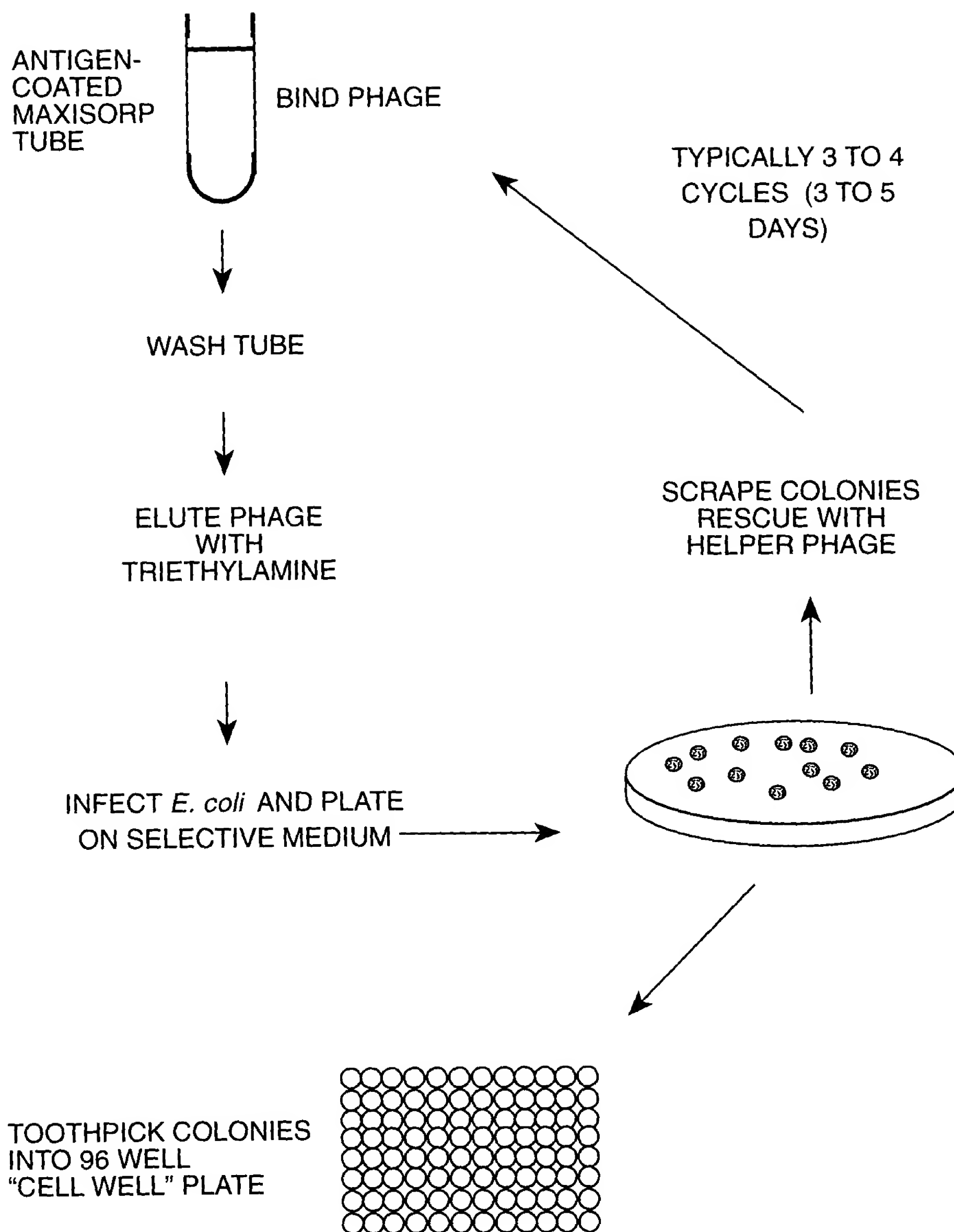
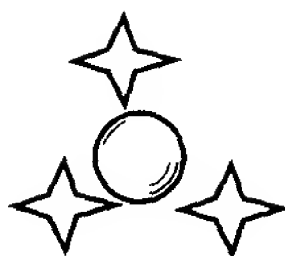


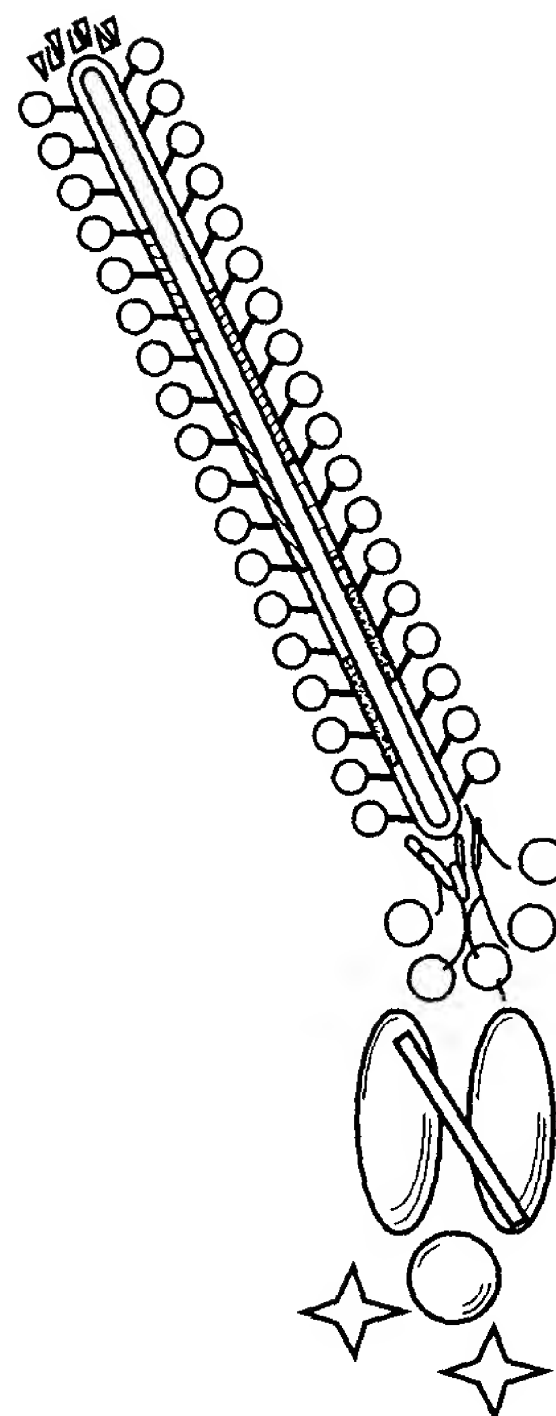
FIG.-11

**FIG. 4**

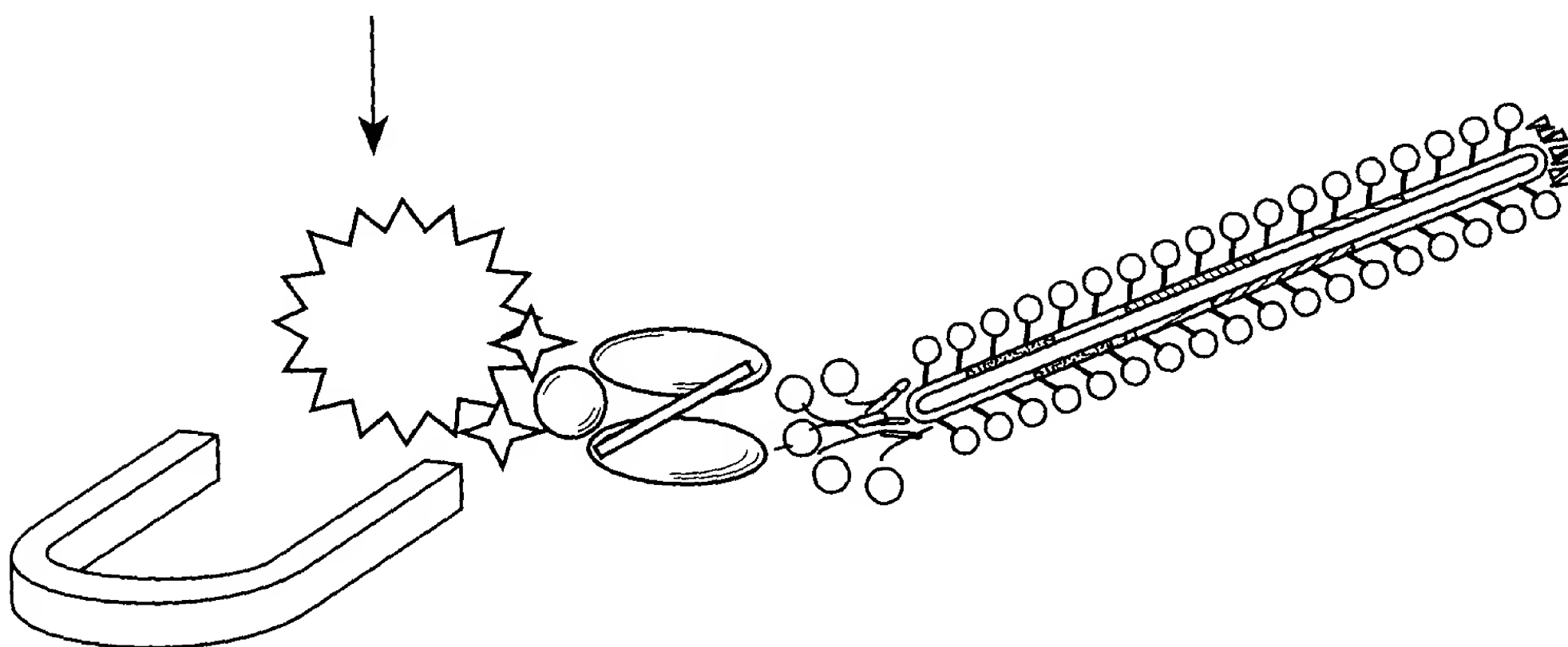
BIOTINYLATED c-mpl IN SOLUTION



ADD PHAGE TO ANTIGEN, BIND



ADD MAGNETIC BEADS COATED WITH STREPTAVIDIN

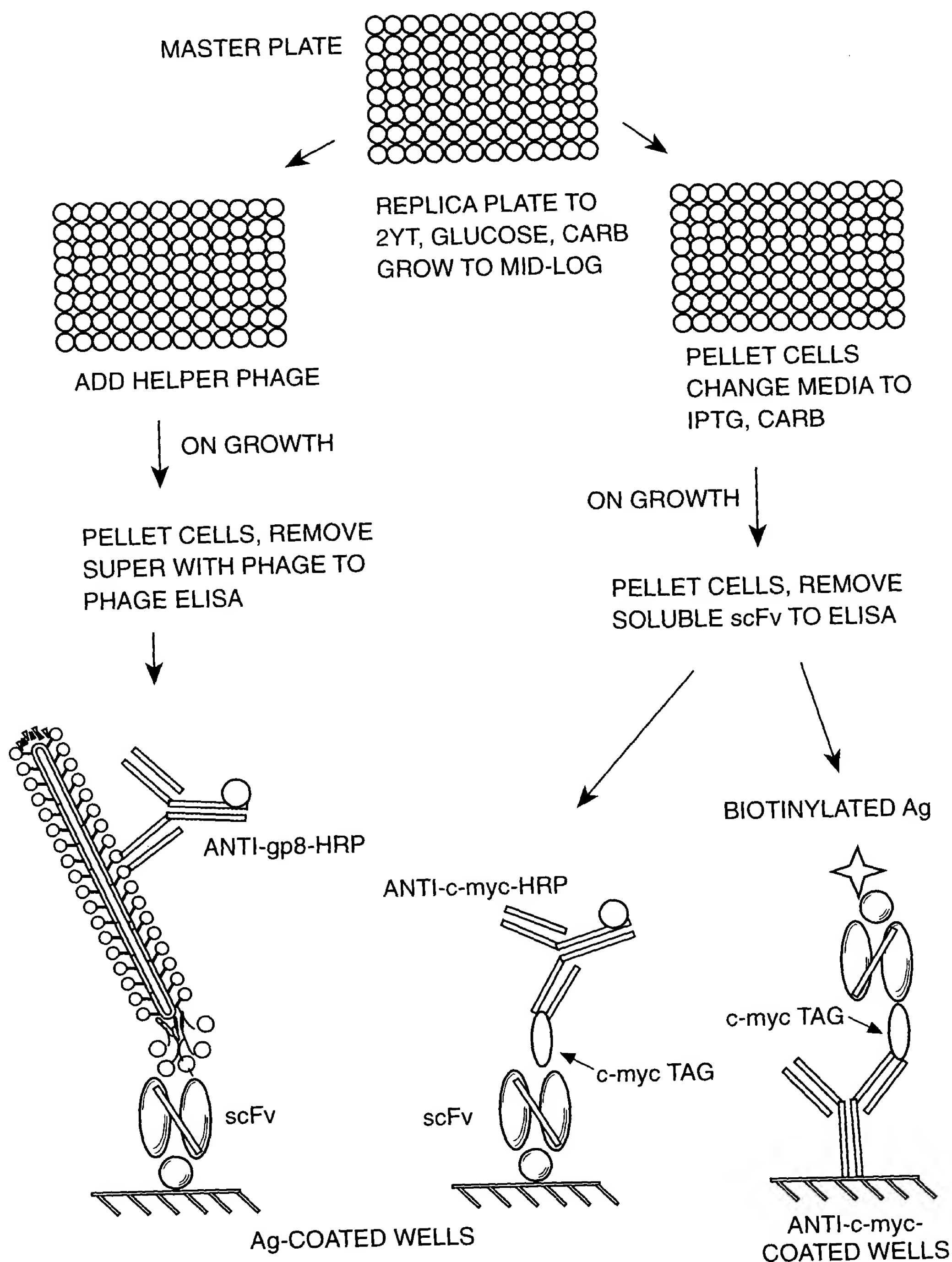


PULL OUT BOUND PHAGE  
WITH MAGNET

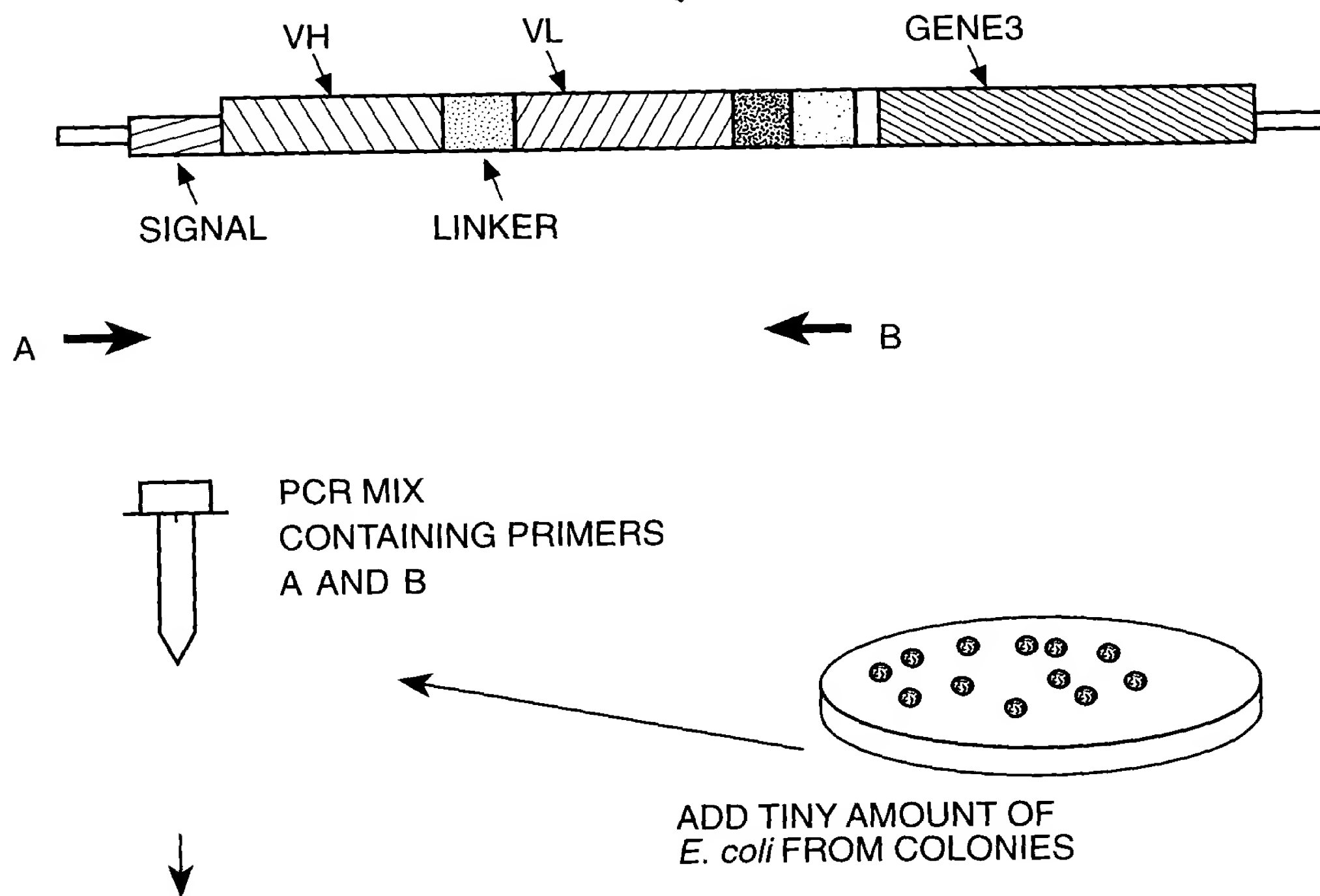
WASH, ELUTE, INFECT

USE DECREASING ANTIGEN CONCENTRATIONS  
TO SELECT FOR HIGHEST AFFINITY PHAGE

**FIG. 5**

**FIG. 6**





1Kb BAND IN SEEN ON AGAROSE GEL

DIGEST WITH RESTRICTION ENZYME BstNI

ANALYZE PRODUCTS ON 3% AGAROSE GEL

**FIG. 7**

FIG.\_8A

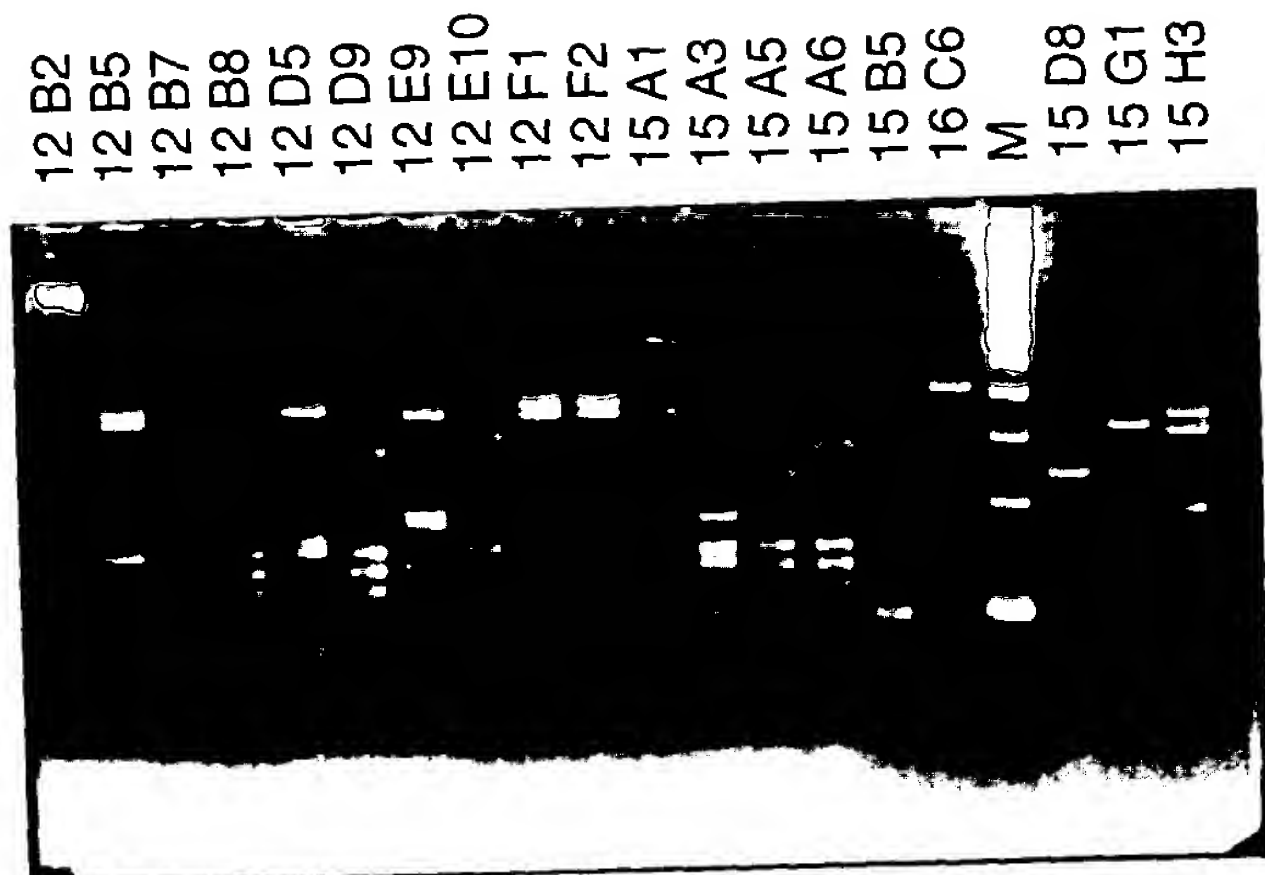


FIG.\_8B

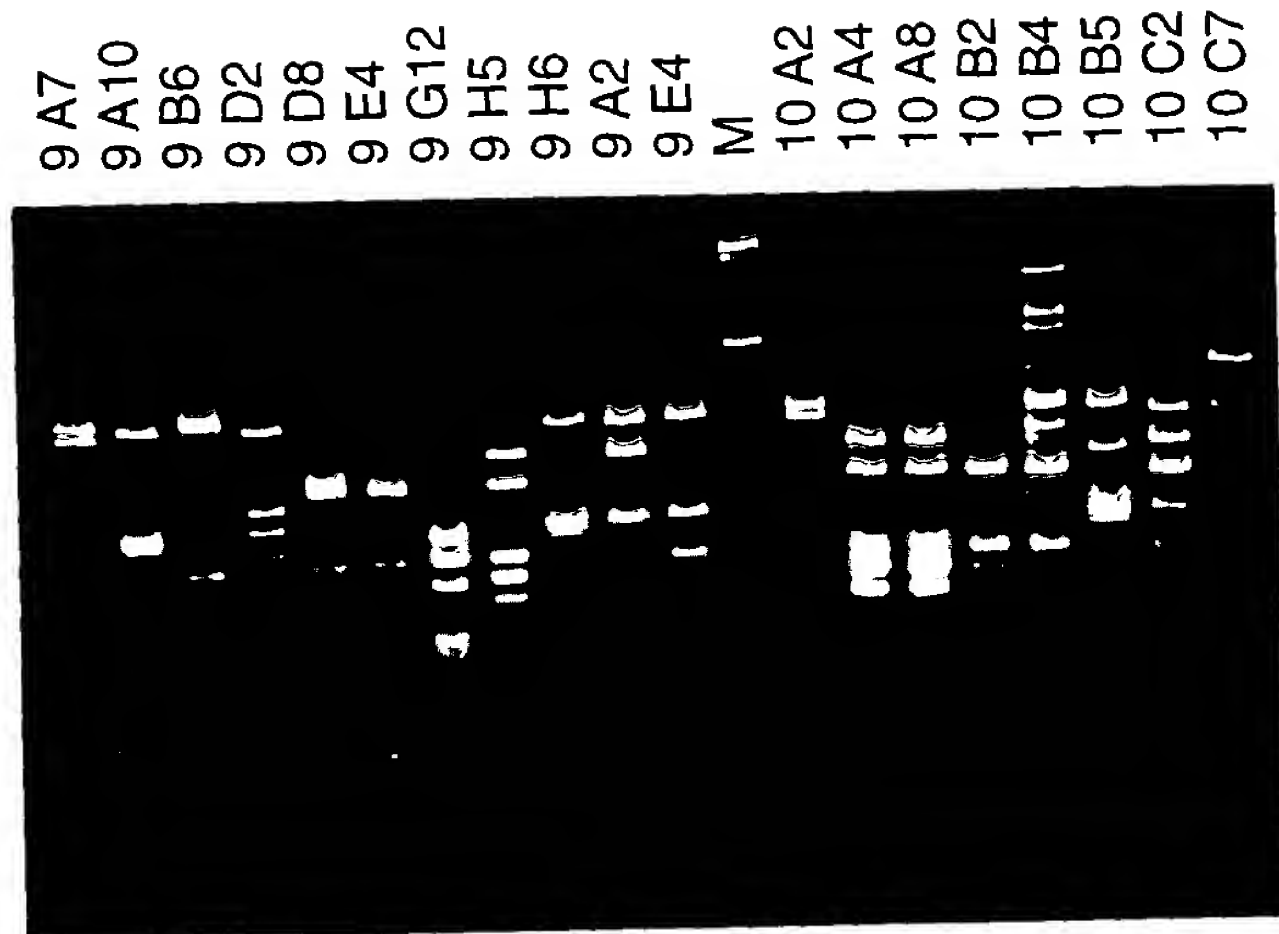
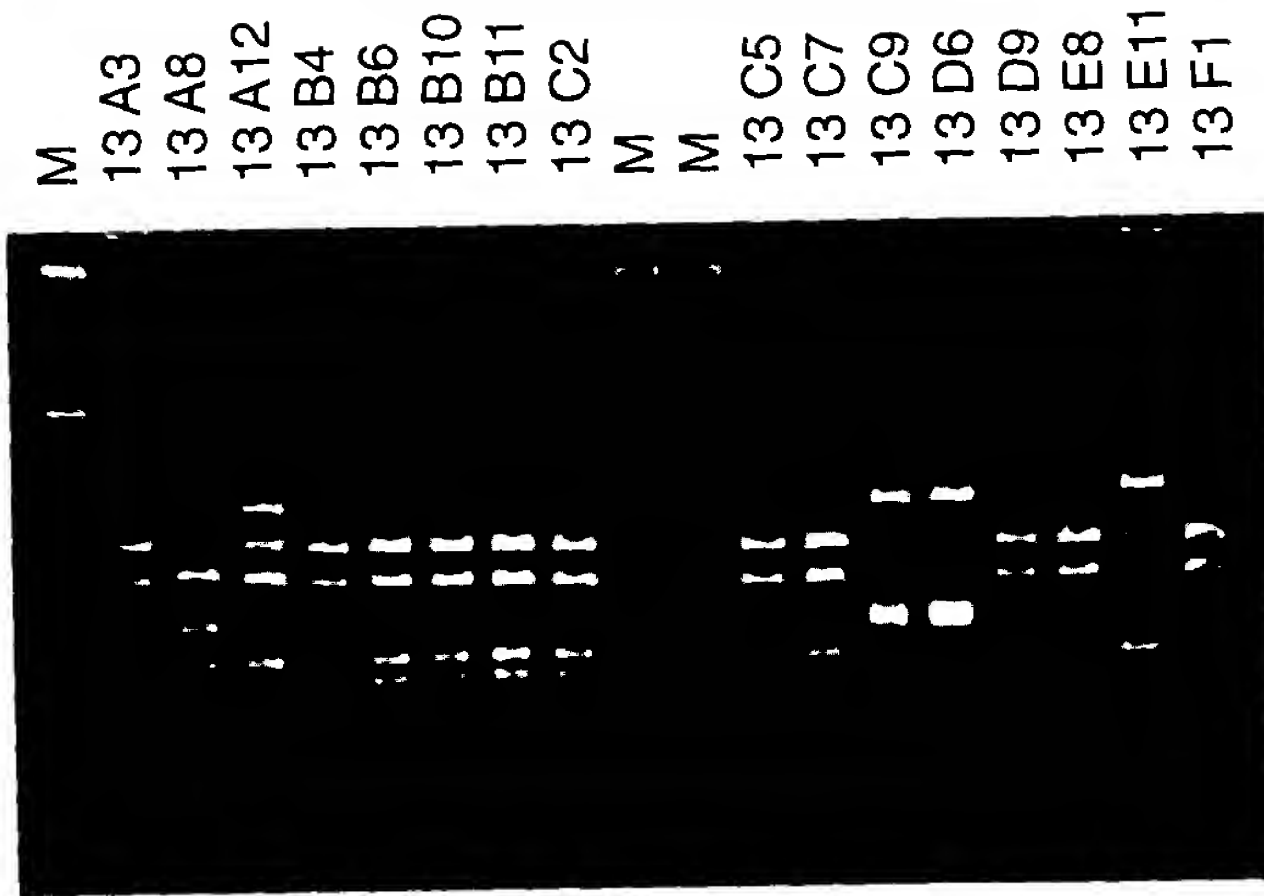


FIG.\_8C





9 / 11

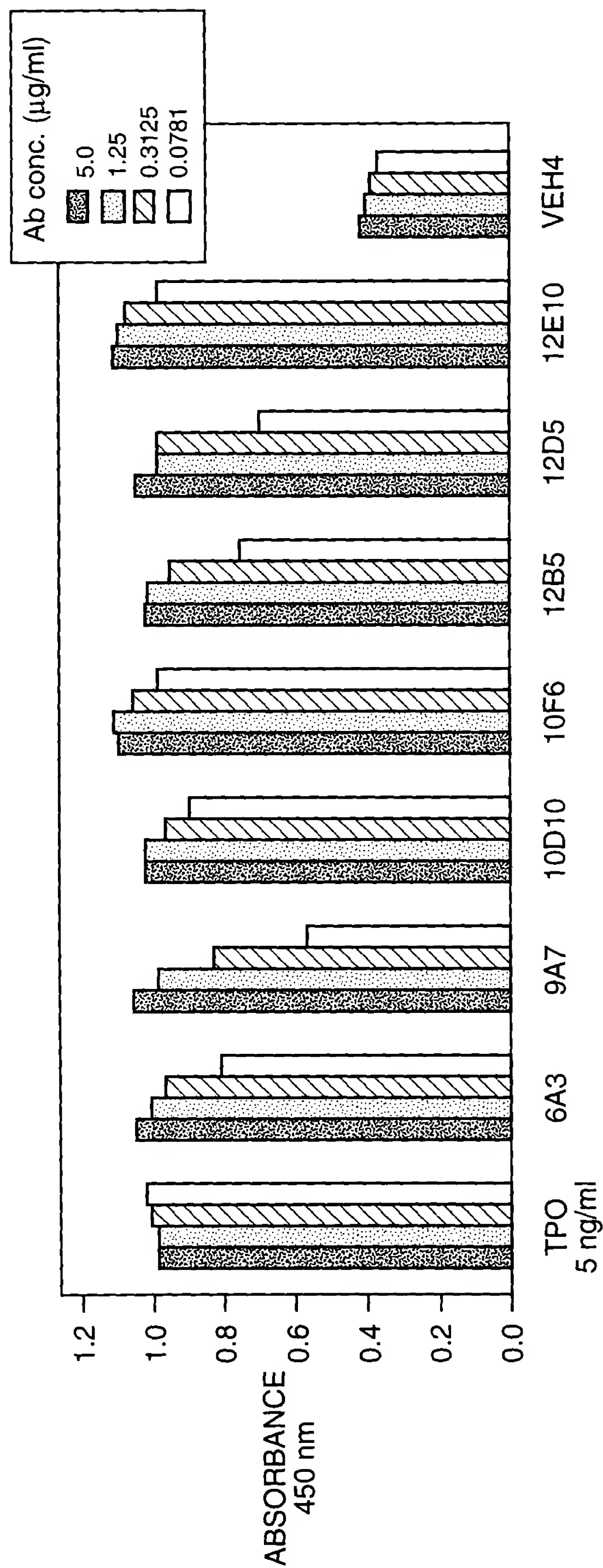
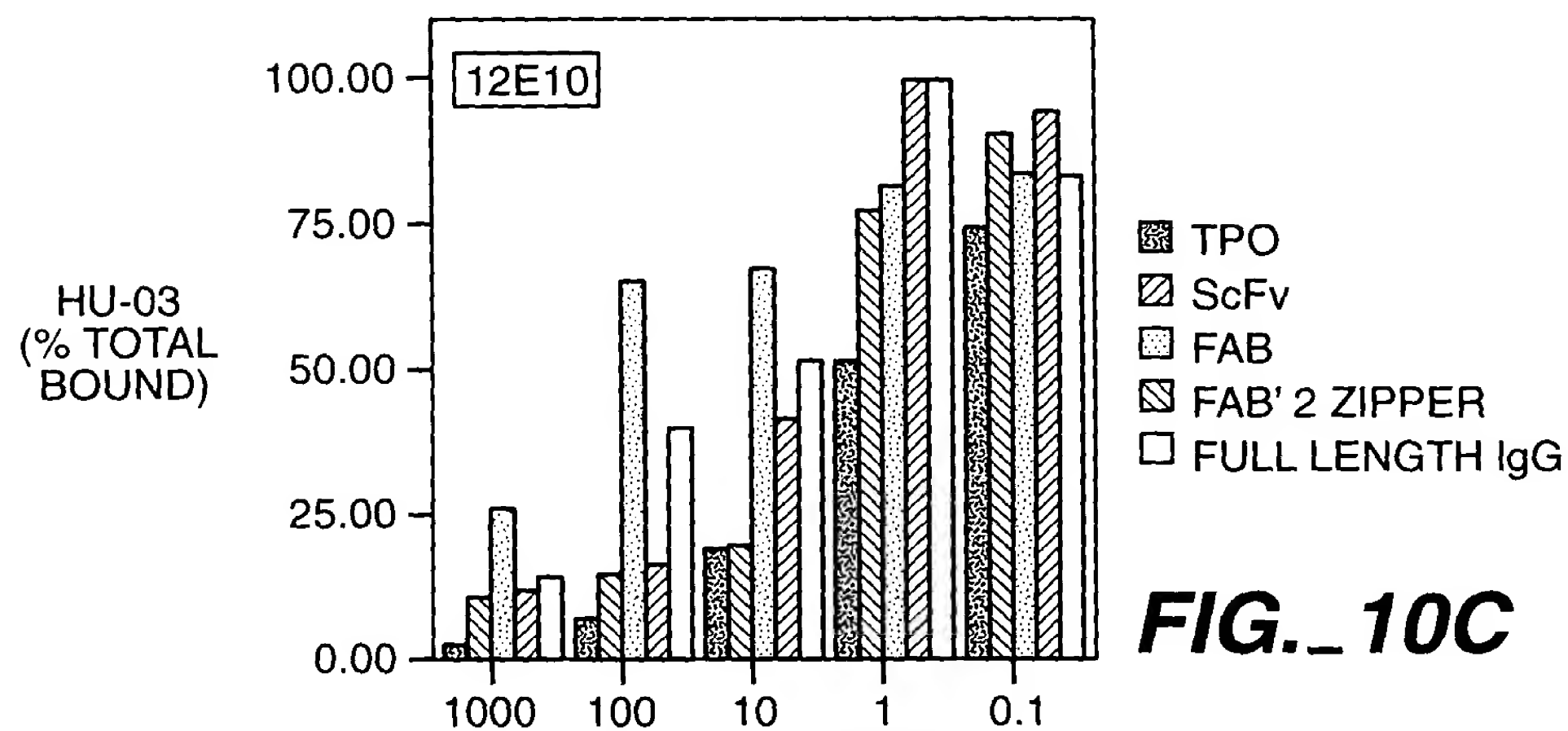
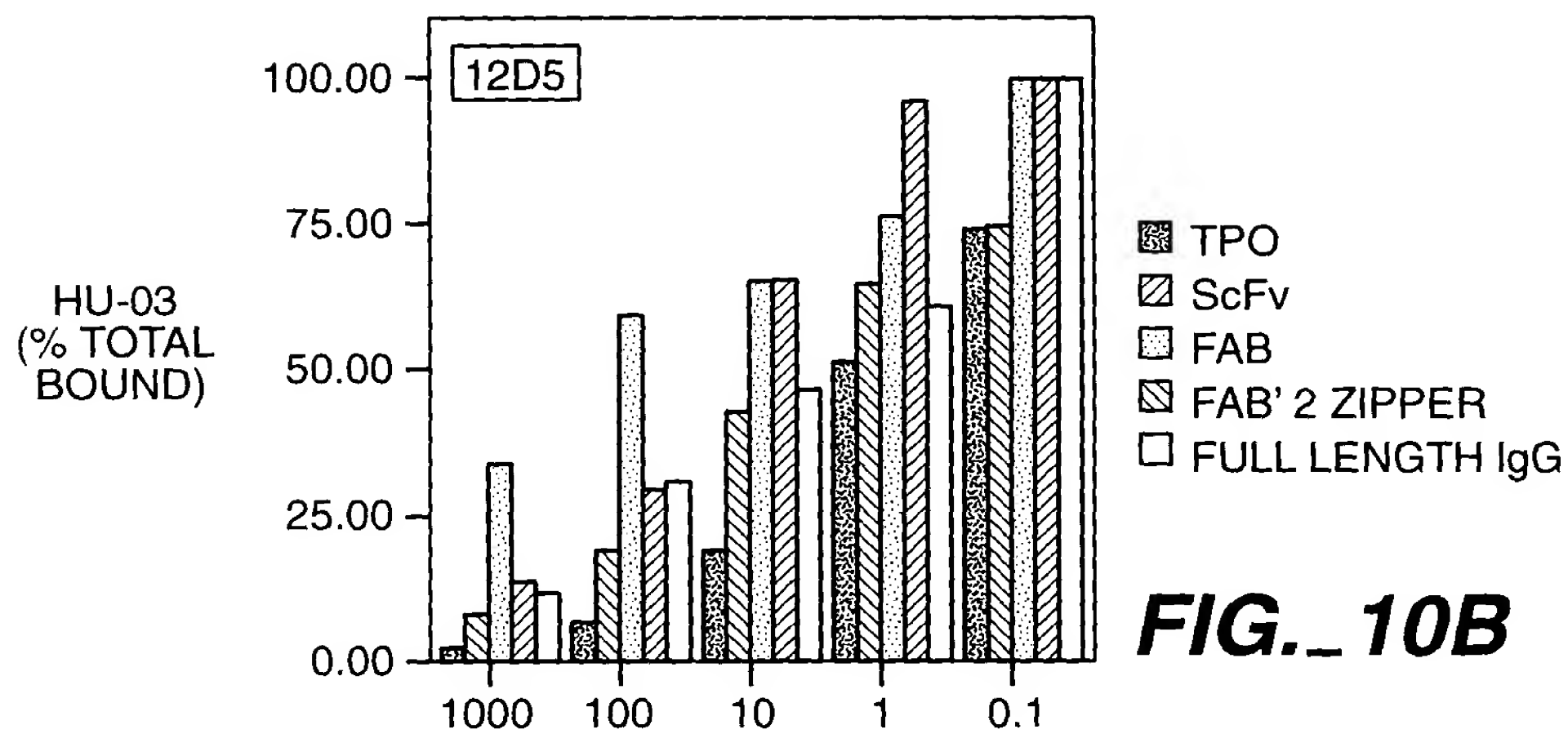
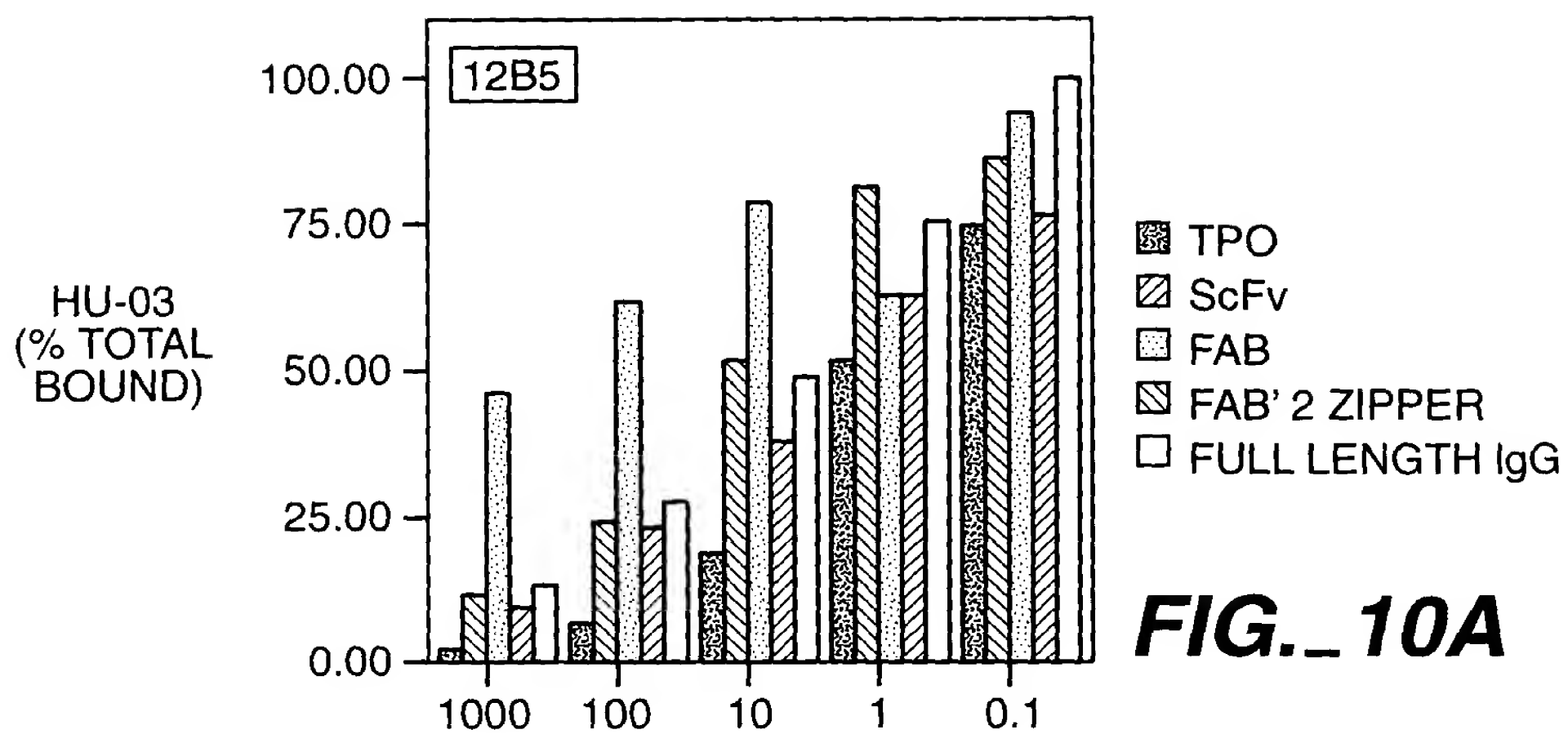
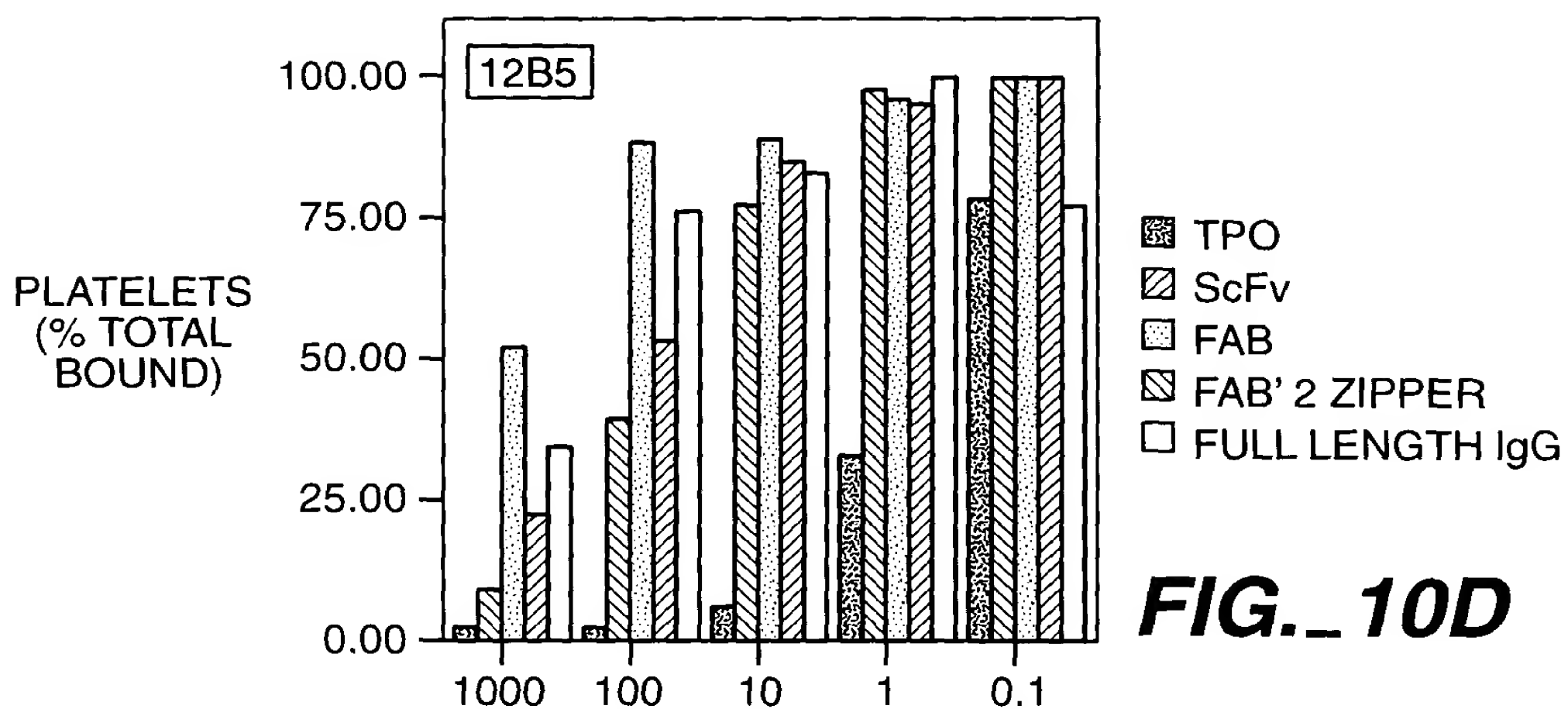
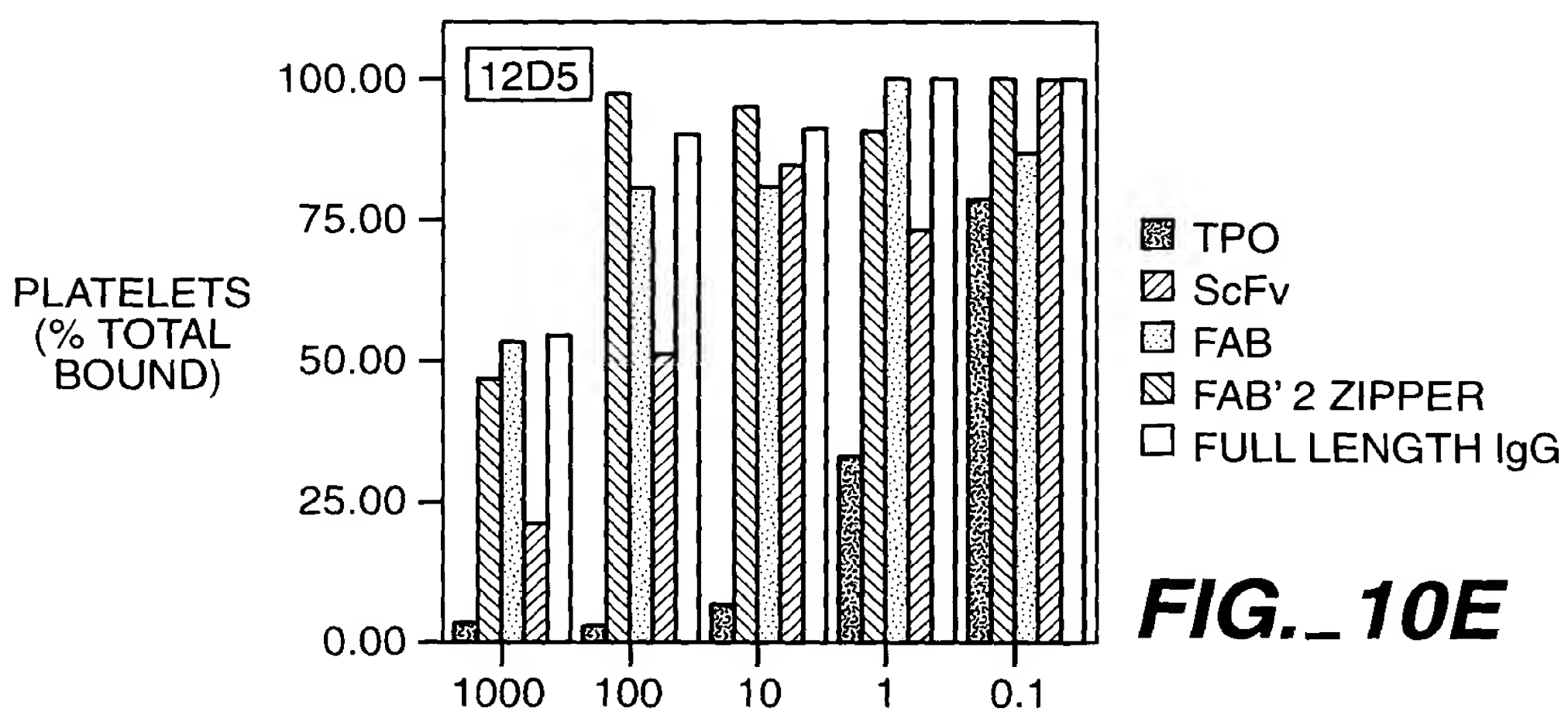
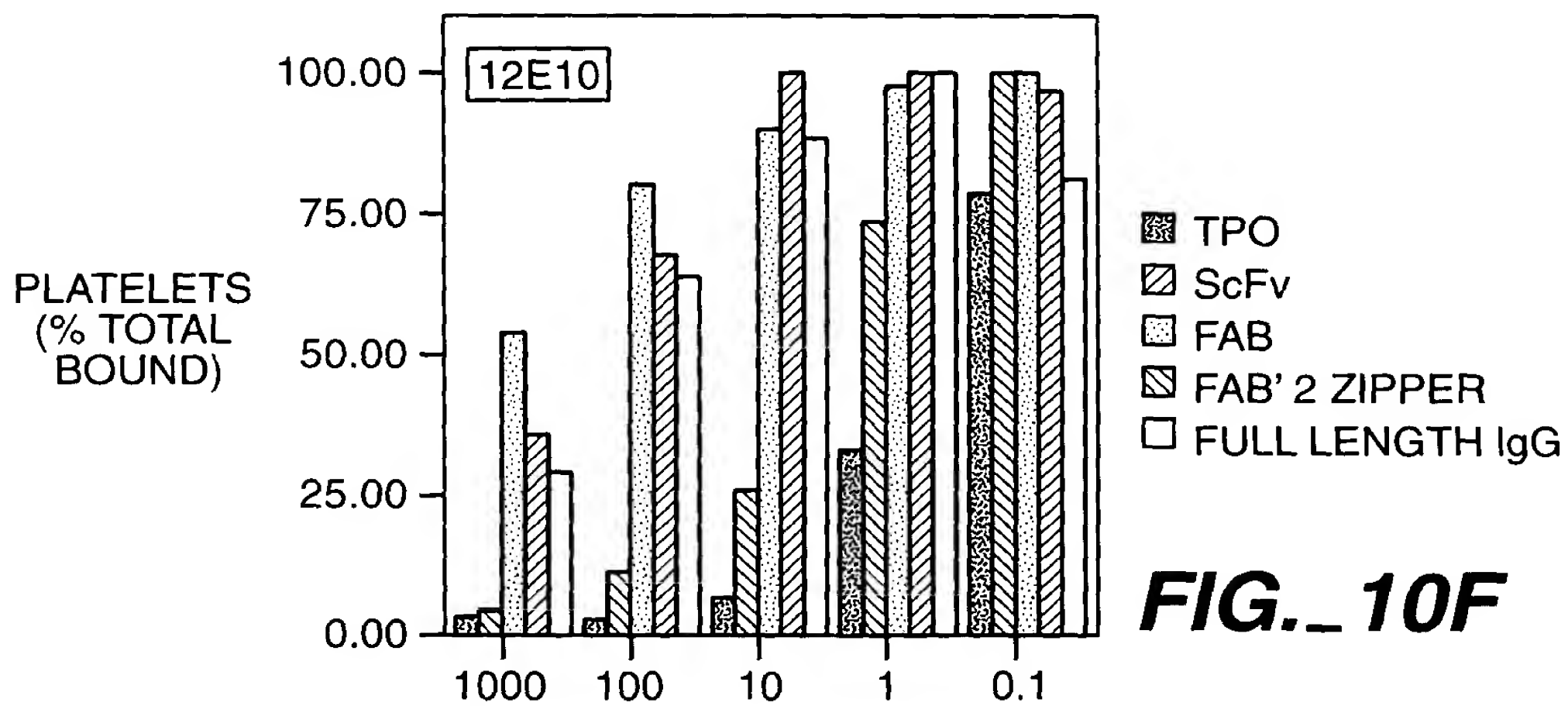


FIG. 9



**FIG. 10D****FIG. 10E****FIG. 10F**

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